SEQUENCE LISTING

<110>	PTC Therapeutics, Inc. Mehta, Anuradha Trotta, Christopher Robert	
<120>	Methods and Agents for Screening for Compounds Capable of Modulating Her2 Expression	
<130>	19025.024	
<140> <141>	To be assigned 2004-11-17	
<150> <151>	US 60/520,384 2003-11-17	
<160>	30	
<170>	PatentIn version 3.2	
<212>	1 73 DNA Artificial	
<220> <223>	Synthetic construct	
	1 gtt tagtttttac tttttttgtt ttgttttttt aaagacgaaa taaagaccca	60
ggggaga	atg ggt	73
<211> <212> <213>	2 3768 DNA Homo sapiens 2	
	tgg cggccttgtg ccgctggggg ctcctcctcg ccctcttgcc ccccggagcc	60
gcgagca	ccc aagtgtgcac cggcacagac atgaagctgc ggctccctgc cagtcccgag	120
acccacct	tgg acatgctccg ccacctctac cagggctgcc aggtggtgca gggaaacctg	180
gaactcad	cct acctgcccac caatgccagc ctgtccttcc tgcaggatat ccaggaggtg	240
cagggcta	acg tgctcatcgc tcacaaccaa gtgaggcagg tcccactgca gaggctgcgg	300
ttgtgc	gag gcacccagct ctttgaggac aactatgccc tggccgtgct agacaatgga	360
jacccgct	ga acaataccac ccctgtcaca ggggcctccc caggaggcct gcgggagctg	420
agcttcg	gaa geeteacaga gatettgaaa ggaggggtet tgatecageg gaacceccag	480

ctctgctacc	aggacacgat	tttgtggaag	gacatcttcc	acaagaacaa	ccagctggct	540
ctcacactga	tagacaccaa	ccgctctcgg	gcctgccacc	cctgttctcc	gatgtgtaag	600
ggctcccgct	gctggggaga	gagttctgag	gattgtcaga	gcctgacgcg	cactgtctgt	660
gccggtggct	gtgcccgctg	caaggggcca	ctgcccactg	actgctgcca	tgagcagtgt	720
gctgccggct	gcacgggccc	caagcactct	gactgcctgg	cctgcctcca	cttcaaccac	780
agtggcatct	gtgagctgca	ctgcccagcc	ctggtcacct	acaacacaga	cacgtttgag	840
tccatgccca	atcccgaggg	ccggtataca	ttcggcgcca	gctgtgtgac	tgcctgtccc	900
tacaactacc	tttctacgga	cgtgggatcc	tgcaccctcg	tctgccccct	gcacaaccaa	960
gaggtgacag	cagaggatgg	aacacagcgg	tgtgagaagt	gcagcaagcc	ctgtgcccga	1020
gtgtgctatg	gtctgggcat	ggagcacttg	cgagaggtga	gggcagttac	cagtgccaat	1080
atccaggagt	ttgctggctg	caagaagatc	tttgggagcc	tggcatttct	gccggagagc	1140
tttgatgggg	acccagcctc	caacactgcc	ccgctccagc	cagagcagct	ccaagtgttt	1200
gagactctgg	aagagatcac	aggttaccta	tacatctcag	catggccgga	cagectgeet	1260
gacctcagcg	tcttccagaa	cctgcaagta	atccggggac	gaattctgca	caatggcgcc	1320
tactcgctga	ccctgcaagg	gctgggcatc	agctggctgg	ggctgcgctc	actgagggaa	1380
ctgggcagtg	gactggccct	catccaccat	aacacccacc	tctgcttcgt	gcacacggtg	1440
ccctgggacc	agctctttcg	gaacccgcac	caagctctgc	tccacactgc	caaccggcca	1500
gaggacgagt	gtgtgggcga	gggcctggcc	tgccaccagc	tgtgcgcccg	agggcactgc	1560
tggggtccag	ggcccaccca	gtgtgtcaac	tgcagccagt	tccttcgggg	ccaggagtgc	1620
gtggaggaat	gccgagtact	gcaggggctc	cccagggagt	atgtgaatgc	caggcactgt	1680
ttgccgtgcc	accctgagtg	tcagccccag	aatggctcag	tgacctgttt	tggaccggag	1740
gctgaccagt	gtgtggcctg	tgcccactat	aaggaccctc	ccttctgcgt	ggcccgctgc	1800
cccagcggtg	tgaaacctga	cctctcctac	atgcccatct	ggaagtttcc	agatgaggag	1860
ggcgcatgcc	agccttgccc	: catcaactgc	acccactcct	gtgtggacct	ggatgacaag	1920
ggctgccccg	ccgagcagag	agccagccct	ctgacgtcca	tegtetetge	ggtggttggc	1980
attctgctgg	ı tcgtggtctt	gggggtggtc	tttgggatcc	tcatcaagcg	acggcagcag	2040
aagatccgga	a agtacacgat	gcggagactg	ctgcaggaaa	cggagctggt	ggagccgctg	2100
acacctago	g gagcgatgcc	caaccaggcg	cagatgcgga	teetgaaaga	gacggagctg	2160
aggaaggtga	a aggtgcttgg	g atctggcgct	tttggcacag	tctacaaggg	, catctggatc	2220

cctgatgggg agaatgtgaa aattccagtg gccatcaaag tgttgaggga aaacacatcc	2280
cccaaagcca acaaagaaat cttagacgaa gcatacgtga tggctggtgt gggctcccca	2340
tatgtctccc gccttctggg catctgcctg acatccacgg tgcagctggt gacacagctt	2400
atgecetatg getgeetett agaceatgte egggaaaace geggaegeet gggeteeeag	2460
gacctgctga actggtgtat gcagattgcc aaggggatga gctacctgga ggatgtgcgg	2520
ctcgtacaca gggacttggc cgctcggaac gtgctggtca agagtcccaa ccatgtcaaa	2580
attacagact tegggetgge teggetgetg gaeattgaeg agaeagagta eeatgeagat	2640
gggggcaagg tgcccatcaa gtggatggcg ctggagtcca ttctccgccg gcggttcacc	2700
caccagagtg atgtgtggag ttatggtgtg actgtgtggg agctgatgac ttttggggcc	2760
aaaccttacg atgggateee ageeegggag atecetgace tgetggaaaa gggggagegg	2820
ctgccccage cecccatetg caccattgat gtctacatga tcatggtcaa atgttggatg	2880
attgactctg aatgtcggcc aagattccgg gagttggtgt ctgaattctc ccgcatggcc	2940
agggaccccc agcgctttgt ggtcatccag aatgaggact tgggcccagc cagtcccttg	3000
gacagcacct tetacegete actgetggag gacgatgaca tggggggacet ggtggatget	3060
gaggagtate tggtacecca geagggette ttetgteeag accetgeece gggegetggg	3120
ggcatggtcc accacaggca ccgcagctca tctaccagga gtggcggtgg ggacctgaca	3180
ctagggctgg agccctctga agaggaggcc cccaggtctc cactggcacc ctccgaaggg	3240
gctggctccg atgtatttga tggtgacctg ggaatggggg cagccaaggg gctgcaaagc	3300
ctccccacac atgaccccag ccctctacag cggtacagtg aggaccccac agtacccctg	3360
ccctctgaga ctgatggcta cgttgccccc ctgacctgca gcccccagcc tgaatatgtg	3420
aaccagccag atgtteggee ceageceect tegeceegag agggeeetet geetgetgee	3480
cgacctgctg gtgccactct ggaaagggcc aagactctct ccccagggaa gaatggggtc	3540
gtcaaagacg titttgcctt tgggggtgcc gtggagaacc ccgagtactt gacaccccag	3600
ggaggagctg cccctcagcc ccaccctcct cctgccttca gcccagcctt cgacaacctc	3660
tattactggg accaggaccc accagagegg ggggetecae ecageacett caaagggaca	3720
cctacggcag agaacccaga gtacctgggt ctggacgtgc cagtgtga	3768

<210> 3 <211> 531

<212> DNA

<213> Art	ificial					
<220> <223> Syn	thetic const	ruct				
<400> 3 accagaaggo	caagteegea	gaagccctga	tgtgtcctca	gggagcaggg	aaggcctgac	60
ttctgctggc	atcaagaggt	gggagggccc	tccgaccact	tccaggggaa	cctgccatgc	120
caggaacctg	tcctaaggaa	ccttccttcc	tgcttgagtt	cccagatggc	tggaaggggt	180
ccagectegt	tggaagagga	acagcactgg	ggagtctttg	tggattctga	ggccctgccc	240
aatgagacto	: tagggtccag	tggatgccac	agcccagctt	ggccctttcc	ttccagatcc	300
tgggtactga	aagccttagg	gaagctggcc	tgagaggga	agcggcccta	agggagtgtc	360
taagaacaaa	a agcgacccat	tcagagactg	tecetgaaac	ctagtactgc	ccccatgag	420
gaaggaacaq	g caatggtgtc	agtatccagg	ctttgtacag	agtgcttttc	tgtttagttt	480
ttacttttt	tgttttgttt	ttttaaagat	gaaataaaga	cccaggggga	g	531
<220>		truct				
<400> 4 tgaaccaga	a ggccaagtcc	gcagaagccc	tgatgtgtcc	tcagggagca	gggaaggcct	60
gacttctgc	t ggcatcaaga	ggtgggaggg	ccctccgacc	acttccaggg	gaacctgcca	120
tgccaggaa	c ctgtcctaag	gaaccttcct	tcctgcttga	gttcccagat	ggctggaagg	180
ggtccagcc	t cgttggaaga	ggaacagcac	tgggġagtct	ttgtggattc	tgaggccctg	240
cccaatgag	a ctctagggtc	cagtggatgc	cacagcccag	cttggccctt	tccttccaga	300
tcctgggta	c tgaaagcctt	agggaagctg	gcctgagagg	ggaagcggcc	ctaagggagt	360
gtctaagaa	c aaaagcgacc	cattcagaga	ctgtccctga	aacctagtac	tgcccccat	420
gaggaagga	a cagcaatggt	gtcagtatcc	aggctttgta	cagagtgctt	ttctgtttag	480
tttttactt	t ttttgttttg	ttttttaaa	gacgaaataa	agacccaggg	gagaatgggt	540
gttgtatgg	g gaggcaagtg	tggggggtcc	ttctccacac	ccactttgtc	catttgcaaa	600
tatattttg	g aaaac					615

<210> <211> <212> <213>	5 310 DNA Arti	ficial					
<220> <223>	Synt	hetic const	ruct				
<400> tgaacca	5 agaa	ggccaagtcc	gcagaagccc	tgatgtgtcc	tcagggagca	gggaaggcct	60
gacttct	gct	ggcatcaaga	ggtgggaggg	ccctccgacc	acttccaggg	gaacctgcca	120
tgccag	gaac	ctgtcctaag	gaaccttcct	tcctgcttga	gttcccagat	ggctggaagg	180
ggtccaq	gaat	cgttggaaga	ggaacagcac	tggggagtct	ttgtggattc	tgaggccctg	240
cccaat	gaga	ctctagggtc	cagtggatgc	cacagcccag	cttggccctt	tccttccaga	300
tcctgg	gtac						310
<210> <211> <212> <213>	6 219 DNA Art:	ificial					
<223>	Synt	thetic cons	truct				
<400> ggctgc	6 ttga	ggaagtataa	gaatgaagtt	gtgaagctga	gattcccctc	cattgggacc	60
ggagaa	acca	ggggagcccc	ccgggcagcc	gcgcgcccct	tcccacgggg	ccctttactg	120
cgccgc	gcgc	ccggccccca	cccctcgcag	caccccgcgc	cccgcgccct	cccagccggg	180
tccagc	cgga	gccatggggc	cggagccgca	gtgagcacc			219
<210> <211> <212> <213>	7 104 DNA Art	ificial					
<220> <223>	Syn	thetic cons	truct				
<400>	7	tacttaaatt	cccagatggc	tagaaggggt	ccagcctcgt	tggaagagga	60
			tggattctga				104
acayea	cryy	334355555	-33	J9	-		
<210> <211>	8 73						

<212> DNA

<213>	Artificial	
<220> <223>	Synthetic construct	
<400> cttttct	8 agtt tagtttttac tttttttgtt ttgttttttt aaagatgaaa taaagaccca	60
ggggaga	aatg ggt	73
<210> <211> <212> <213>	73	
<220> <223>	Synthetic construct	
<400> cttttc	9 tgtt tagtttttac tttttttgtt ttgttttttt aaagatgaaa taaagaccca	60
ggggga	gatg ggt	73
<210><211><211><212><213>		
<220> <223>	Synthetic construct	
<400> ctttc	10 tgtt tagttittac tittittgtt tigttitttt aaagacgaaa taaagaccca	60
ggggga	gatg ggt	73
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic construct	
<400> cttttc	11 etgtt tagtttttac tttttttgtt ttgttttttt aaagacgaaa taaagaccca	60
gggggg	ggatg ggt	73
<210><211><211><212><213>	73	

<220> <223>	Synthetic construct	
<400> cttttct	12 gtt tagtttttac tttttttgtt ttgttttttt aaagacgaaa taaagaccca	60
ggggaaa	aatg ggt	73
<210><211><211><212><213>	13 73 DNA Artificial	
<220> <223>	Synthetic construct	
<400> ctttc	13 tgtt tagtttttac tttttttgtt ttgttttttt aaagacgaaa taaagaccca	60
ggggaa	gatg ggt	73
<210> <211> <212> <213>	73 DNA	
<220> <223>	Synthetic construct	
<400> cttttc	14 otgtt tagtttttac titttitgtt tigttitttt aaagacgaaa taaagaccca	60
ggggg	aaatg ggt	73
<210> <211> <212> <213>	73 DNA	
<220> <223>		
<400> ctttt	15 ctgtt tagtttttac tttttttgtt ttgttttttt aaagacgaaa taaagaccca	60
gggga	ggatg ggt	73
<210><211><211><212><213>		

<220>	
<223> Synthetic construct	
	60
<400> 16 cttttctgtt tagtttttac tttttttgtt ttgtttttt aaagacgaaa t	aaagaccca 60
ctttctgtt tagttctaa staa y	73
ggggggaatg ggt	, 5
9999994449	
<210> 17	
<211> 73	
<212> DNA	
<213> Artificial	
.220\	
<220> <223> Synthetic construct	
ZZZJV Synchodzo 11.	
<400> 17	taaagaccca 60
<400> 17 cttttctgtt tagtttttac tttttttgtt ttgtttttt aaagatgaaa	caaagaaa
	73
gggggggatg ggt	
<210> 18 <211> 73	
<211> 73 <212> DNA	
<213> Artificial	
(213)	
<220>	
<223> Synthetic construct	
100	taaagaccca 60
<400> 18 cttttctgtt tagtttttac tttttttgtt ttgtttttt aaagatgaaa	taaagaccca 60
CttttCtgtt tagtttcad	73
ggggaaaatg ggt	, ,
99999	
<210> 19	
<211> 73	
<212> DNA <213> Artificial	
<213> Artificial	
<220>	
<223> Synthetic construct	
1220	
<400> 19	taaagaccca 60
<400> 19 cttttctgtt tagtttttac tttttttgtt ttgtttttt aaagatgaaa	•
	73
ggggaagatg ggt	
<210> 20	
<211> 73	
<212> DNA	
<213> Artificial	
<220>	

<223>	Synt	hetic const	ruct				
<400> ctttct	20 gtt	tagtttttac	tttttttgtt	ttgtttttt	aaagatgaaa	taaagaccca	60
gggggaa	atg	ggt					73
<210><211><211><212><213>	DNA	ificial					
<220> <223>	Synt	thetic const	truct				
<400> ctttct	21 gtt	tagtttttac	tttttttgtt	ttgtttttt	aaagatgaaa	taaagaccca	60
ggggagg	gatg	ggt					73
<210> <211> <212> <213>		ificial					
<220> <223>	Synt	thetic const	ruct				
<400> ctttct	22 igtt	tagtttttac	tttttttgtt	ttgtttttt	aaagatgaaa	taaagaccca	60
gggggg	aatg	ggt					73
<210> <211> <212> <213>		ificial					·
<220> <223>	Synt	thetic const	truct				
<400> tgaacca	23 agaa	ggccaagtcc	gcagaagccc	tgatgtgtcc	tcagggagca	gggaaggcct	60
gacttct	gct	ggcatcaaga	ggtgggaggg	ccctccgacc	acttccaggg	gaacctgcca	120
tgccag	gaac	ctgtcctaag	gaaccttcct	tcctgcttga	gttcccagat	ggctggaagg	180
ggtccag	gcct	cgttggaaga	ggaacagcac	tggggagtct	ttgtggattc	tgaggccctg	240
cccaato	gaga	ctctagggtc	cagtggatgc	cacageceag	cttggccctt	tccttccaga	300
tcctgg	gtac	tgaaagcctt	agggaagctg	gcctgagagg	ggaagcggcc	ctaagggagt	360

gtctaagaac aaaagcgacc cattcagaga ctgtccctga aacctagtac tgcccccat	420
gaggaaggaa cagcaatggt gtcagtatcc aggctttgta cagagtgctt ttctgtttag	480
tttttacttt ttttgttttg tttttttaaa gacgaaataa agacccaggg gagaatgggt	540
<210> 24 <211> 468 <212> DNA <213> Artificial	
<220> <223> Synthetic construct	
<400> 24 tgaaccagaa ggccaagtcc gcagaagccc tgatgtgtcc tcagggagca gggaaggcct	60
gacttctgct ggcatcaaga ggtgggaggg ccctccgacc acttccaggg gaacctgcca	120
tgccaggaac ctgtcctaag gaaccttcct tcctgcttga gttcccagat ggctggaagg	180
ggtccagcct cgttggaaga ggaacagcac tggggagtct ttgtggattc tgaggccctg	240
cccaatgaga ctctagggtc cagtggatgc cacagcccag cttggccctt tccttccaga	300
tootgggtac tgaaagcott agggaagctg gootgagagg ggaagcggoo ctaagggagt	360
gtctaagaac aaaagcgacc cattcagaga ctgtccctga aacctagtac tgccccccat	420
gaggaaggaa cagcaatggt gtcagtatcc aggctttgta cagagtgc	468
<210> 25 <211> 410 <212> DNA <213> Artificial	
<220> <223> Synthetic construct	
<400> 25 tgaaccagaa ggccaagtcc gcagaagccc tgatgtgtcc tcagggagca gggaaggcct	60
gacttotget ggcatcaaga ggtgggaggg coctoogaco acttocaggg gaacetgoca	120
tgccaggaac ctgtcctaag gaaccttcct tcctgcttga gttcccagat ggctggaagg	180
ggtccagcct cgttggaaga ggaacagcac tggggagtct ttgtggattc tgaggccctg	240
cccaatgaga ctctagggtc cagtggatgc cacagcccag cttggccctt tccttccaga	300
tectgggtae tgaaageett agggaagetg geetgagagg ggaageggee etaagggagt	360
gtotaagaac aaaagogaco cattoagaga otgtoootga aacotagtao	410

<210> <211> <212> <213>	26 310 DNA Arti	ficial					
<220> <223>	Synt	hetic const	ruct				
<400>	26						
tgaacca	igaa	ggccaagtcc	gcagaagccc	tgatgtgtcc	tcagggagca	gggaaggcct	60
gacttct	gct	ggcatcaaga	ggtgggaggg	ccctccgacc	acttccaggg	gaacctgcca	120
tgccagg	gaac	ctgtcctaag	gaaccttcct	tcctgcttga	gttcccagat	ggctggaagg	180
ggtccag	geet	cgttggaaga	ggaacagcac	tggggagtct	ttgtggattc	tgaggccctg	240
cccaato	gaga	ctctagggtc	cagtggatgc	cacagcccag	cttggccctt	tccttccaga	300
teetggg	gtac		•				310
<210> <211> <212> <213>	27 210 DNA Arti	ficial					
<220> <223>	Synt	thetic const	cruct				
<400>	27						60
tgaacca	agaa	ggccaagtcc	gcagaagccc	tgatgtgtcc	tcagggagca	gggaaggcct	60
gacttc	tgct	ggcatcaaga	ggtgggaggg	ccctccgacc	acttccaggg	gaacctgcca	120
tgccag	gaac	ctgtcctaag	gaaccttcct	tectgettga	gttcccagat	ggctggaagg	180
ggtcca	gcct	cgttggaaga	ggaacagcac				210
<210> <211> <212> <213>	110 DNA	ificial					
<220> <223>	Synt	thetic cons	truct				
<400>	28		~~~~~~	tastatata	†020002002	addaaaacc+	60
tgaacc	agaa	ggccaagtcc	gcagaagccc	Lyalylytee	ccayyyayca	yyyaayyeet	00
gacttc	tgct	ggcatcaaga	ggtgggaggg	ccctccgacc	acttccaggg		110
<210> <211> <212>	29 502 DNA						

<213> Artificial					
<220> <223> Synthetic Consti	ruct				
<400> 29 cctgccatgc caggaacctg	tcctaaggaa	ccttccttcc	tgcttgagtt	cccagatggc	60
tggaaggggt ccagcetcgt	tggaagagga	acagcactgg	ggagtctttg	tggattctga	.120
ggccctgccc aatgagactc	tagggtccag	tggatgccac	agcccagctt	ggccctttcc	180
ttccagatcc tgggtactga	aagccttagg	gaagctggcc	tgagagggga	agcggcccta	:240
agggagtgtc taagaacaaa	agcgacccat	tcagagactg	tccctgaaac	ctagtactgc	300
ccccatgag gaaggaacag	caatggtgtc	agtatccagg	ctttgtacag	agtgcttttc	360
tgtttagttt ttacttttt	tattttgttt	ttttaaagac	gaaataaaga	cccaggggag	420
aatgggtgtt gtatggggag	gcaagtgtgg	ggggtccttc	tccacaccca	ctttgtccat	480
					502
ttgcaaatat attttggaaa					
<210> 30 <211> 11 <212> DNA <213> Artificial					
<220> <223> Synthetic cons	struct				
<400> 30					11